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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: T. Shimomura et al. Attorney Docket No.: MEIP122170
Application No.: 10/804,636 Group Art Unit: 3662
Filed: March 19, 2004
Title: OPTICAL CONFIGURATION FOR IMAGING-TYPE OPTICAL ENCODERS

INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

1. X Copies of the listed foreign patent documents and other information are enclosed for the Examiner's use.
2. X Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.
3. X The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.18 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 03-1740. This authorization also hereby includes a request for any extensions of time of the appropriate length required upon the filing of any reply during the entire prosecution of this application.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date.

Date: July 1, 2004

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INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE
PROSECUTION OF THE SUBJECT APPLICATION

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U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
	U1	5,751,492	A	05/12/1998	Meyers
	U2	5,576,537	A	11/19/1996	Holzapfel
	U3	5,539,519	A	07/23/1996	Takagi et al.
	U4	4,974,962	A	12/04/1990	Stephens et al.
	U5	4,799,798	A	01/24/1989	Erb
	U6	4,051,367	A	09/27/1977	Sayce, deceased et al.
	U7	3,454,777	A	07/08/1969	
	U8	2003 209658	A1	11/13/2003	Iguchi et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
	F1	JP-B-2610624	B2	02/13/1997	Japan		
		(corresponding to F2 below)					
	F2	JP-A-1-57120	A	03/03/1989	Japan	X	
	F3	JP-B-60-23282	B2	06/06/1985	Japan		
		(corresponding to U6 above)					

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OTHER INFORMATION
(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Cite
Initial No.

_____ O1 Christian Berger, "Design of telecentric imaging systems for noncontact
velocity sensors," October 2002, Optical Engineering, Vol. 41 No. 10,
pp. 2599-2606

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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